



Borough of Scunthorpe

ANNUAL REPORT

ON THE

HEALTH

AND

SANITARY CONDITION

OF THE TOWN

1953

1953.

BOROUGH OF SCUNTHORPE.

(Mayor—THE RT. HON. THE LORD QUIBELL, J.P.)

Public Health Committee.

Chairman—COUNCILLOR G. McQUADE.

Vice-Chairman—COUNCILLOR C. POGSON.

ALDERMAN MRS. A. EYRE.

ALDERMAN B. HOLLAND.

ALDERMAN W. H. PULLING.

ALDERMAN H. SPENCER.

COUNCILLOR E. V. ABRAHAM.

COUNCILLOR O. DUFFELEN.

COUNCILLOR A. MOORE.

COUNCILLOR W. C. STIRLING.

COUNCILLOR C. A. WATSON, M.B.E.

COUNCILLOR MRS. V. WILMSHURST.

Ex-Officio Member of Committee—

THE RT. HON. THE LORD QUIBELL, J.P., *Mayor.*

Public Health Department.

Medical Officer of Health—

S. CHILDS, M.A., M.B., CH.B., D.P.H., D.T.M. AND H., D.P.A.

Chief Sanitary Inspector and Director of Cleansing—

DAVID P. NASH, M.S.I.A., CERT. MEAT INSP.

Deputy Chief Sanitary Inspector—

GEORGE O. ALLEN, M.S.I.A., CERT. MEAT INSP.

Sanitary Inspectors—

KENNETH WILLIAMS, A.R.SAN.I., M.S.I.A., CERT. MEAT INSP.

LEONARD HOWSON, A.R.SAN.I., CERT. MEAT INSP.

JOSEPH B. COMPTON, M.R.SAN.I., CERT. MEAT INSP., CERT.
SMOKE INSP.

Pupil Sanitary Inspector—

DONALD B. WHITE.

Infectious Diseases Nurse—

Mrs. M. FORD, S.R.N., R.F.N.

Chief Clerk—

ALAN J. RIX, D.P.A., M.R.INST.P.A.

Clerks—

Mrs. HAZEL J. THORPE.

Miss PAMELA J. CARNABY.

Miss PAULINE M. SMITH (Resigned 30th November).

School Medical Clerk—

Miss MARCIA J. GIBSON.

To the

CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

The year 1953 has passed smoothly as far as the health of the town is concerned. There have been no serious epidemics and the various indices of life and death and sickness in the town remain satisfactory, and compare favourably with those of other similar towns and with those of the country as a whole.

The population increased by 920 and since this is more than the natural increase of 576 (total births less total deaths) it indicates that migration into the town is continuing.

The infant mortality rate and the neonatal death rate are the lowest ever recorded in the town and have been remarked on elsewhere in the report. The tuberculosis death rate is also the lowest ever recorded in the town. The number of deaths from cancer has been steadily increasing and this year showed the highest number ever recorded.

The water supply to the town has been inadequate and the water was cut off at night during the last three months of the year.

It is a pleasure to remark on the happy spirit of harmony which pervades the Department and to acknowledge that I am indebted to Mr. Nash, the Chief Sanitary Inspector, for all the information relating to the environmental aspects of the Report.

S. CHILDS,

Medical Officer of Health.

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STATISTICS SUMMARISED FOR 1953.

Area of the Borough	7,895 acres
Population (Mid-1953 Registrar-General's estimate)	55,850
Population Increase	920
Number of Inhabited Houses (December, 1953 rate books)	16,183
Density of Population per acre	7.07
Rateable Value (31st March, 1953)	£361,096
Product of Penny Rate	£1,475.0.9
Number of Births—(a) Legitimate M. 526 F. 482	
(b) Illegitimate M. 24 F. 28	1,060
Birth Rate (per 1,000 population)	18.98
Number of Stillbirths—(a) Legitimate M. 12 F. 7	
(b) Illegitimate M. — F. 1	20
Stillbirth Rate (per 1,000 total births)	18.867
Number of Deaths—M. 278 F. 206	484
Death Rate (per 1,000 population)	8.66
Number of Deaths under 1 year—M. 12 F. 11	23
Infantile Death Rate (per 1,000 live births)	21.69
Legitimate Infant Death Rate (per 1,000 legitimate live births)	20.83
Illegitimate Infant Death Rate (per 1,000 illegitimate live births)	40.0
Number of Deaths under 4 weeks—M. 6 F. 5	11
Neonatal Death Rate (per 1,000 live births)	10.38
Number of Deaths from Cancer	85
Number of Deaths from Tuberculosis	6
Puerperal Deaths—(a) Sepsis	—
(b) Other	—
Maternal Mortality Rate	—

BIRTHS AND DEATHS IN INDIVIDUAL WARDS.

Ward	Estimated Popu- lation	Births				Deaths			
		M.	F.	Total	Rate	M.	F.	Total	Rate
Ashby	11,295	155	141	296	25.32	55	22	77	6.83
Brumby	8,185	65	69	134	16.37	36	32	68	8.31
Crosby	4,234	36	31	67	15.82	31	18	49	11.57
East	2,918	30	33	63	21.59	20	19	39	13.36
Frodingham	9,932	96	108	204	20.53	47	40	87	8.75
Park	7,564	76	64	140	18.45	27	29	56	7.40
Town	4,105	34	19	53	12.91	21	16	37	9.01
West	7,617	58	45	103	12.52	41	30	71	9.32
	<u>55,850</u>	<u>550</u>	<u>510</u>	<u>1060</u>		<u>278</u>	<u>206</u>	<u>484</u>	

REGISTERED UNEMPLOYED IN THE BOROUGH.

The following table gives the monthly average figure of the number of unemployed, aged 18 years and over, in receipt of Unemployment benefit:—

			Men	Women	Total
January	.....	.....	64	116	180
February	.....	.....	52	129	181
March	.....	.....	33	107	140
April	.....	.....	48	100	148
May	.....	.....	42	73	115
June	.....	.....	38	53	91
July	.....	.....	29	67	93
August	.....	.....	44	70	114
September	.....	.....	26	50	76
October	.....	.....	42	69	111
November	.....	.....	44	121	165
December	.....	.....	34	151	185

NATIONAL HEALTH INSURANCE—NEW CLAIMS.

Monthly Totals.

January	.....	.....	.....	1,062
February	.....	.....	.....	1,061
March	.....	.....	.....	1,261
April	.....	.....	.....	694
May	.....	.....	.....	653
June	.....	.....	.....	626
July	.....	.....	.....	457
August	.....	.....	.....	469
September	.....	.....	.....	766
October	.....	.....	.....	761
November	.....	.....	.....	833
December	.....	.....	.....	835
				<hr/>
				9,478
				<hr/>

MEDICAL SERVICES IN THE AREA.

1. INSTITUTIONS.

Brumby Isolation Hospital (Scunthorpe Hospital Management Committee).

The following cases have been admitted to the Brumby Isolation Hospital during the year:—

Scarlet Fever	.....	.....	.....	.....	115
Gastro Enteritis	.....	.....	.....	.....	74
Whooping Cough	.....	.....	.....	.....	31
Acute Tonsillitis	.....	.....	.....	.....	26
Influenza	.....	.....	.....	.....	17
Broncho Pneumonia	.....	.....	.....	.....	17
Primary Pneumonia	.....	.....	.....	.....	11
Measles	.....	.....	.....	.....	13
German Measles	.....	.....	.....	.....	3
Chicken Pox	.....	.....	.....	.....	6
Diphtheria	.....	.....	.....	.....	1
Non Diphtheretic Croup	.....	.....	.....	.....	5
Meningococcal Meningitis	.....	.....	.....	.....	1
Tuberculous Meningitis	.....	.....	.....	.....	2
Other Meningitis	.....	.....	.....	.....	2
Poliomyelitis	.....	.....	.....	.....	9
Encephalitis (Mumps)	.....	.....	.....	.....	1
Herpes Zoster	.....	.....	.....	.....	1
Food Poisoning	.....	.....	.....	.....	2
Abortus Fever	.....	.....	.....	.....	1
Dysentery	.....	.....	.....	.....	3
Vincent's Angina	.....	.....	.....	.....	2
Pyloric Stenosis	.....	.....	.....	.....	2
Impetigo	.....	.....	.....	.....	10
Erysipelas	.....	.....	.....	.....	4
Other Diseases	.....	.....	.....	.....	20
					379

Three deaths occurred, one each from Gastro Enteritis, Whooping Cough and Pneumonia.

Scunthorpe Maternity Home (Scunthorpe Hospital Management Committee).

During 1953 there were 1,171 normal confinements (14 Cæsarian section), 97 abnormal cases, and 181 emergency cases. The number of cases admitted for ante-natal supervision was 162. A total of 1,324 cases were admitted during the year.

Glanford Hospital, Brigg (Sheffield Regional Hospital Board).

During the year, 190 patients were admitted from Scunthorpe.

Bracebridge Heath Mental Hospital.

The number of attendances at the Psychiatric Clinic at the War Memorial Hospital during 1953 was 733.

Scunthorpe and District War Memorial Hospital.

This is a General Hospital having the following departments :—

Medical	Radiotherapy
Surgical	Orthopædic
Dermatological	Dental
Ophthalmic	Casualty
Ear, Nose and Throat	Gynæcological
Radiological	Pathological
Psychiatric	Cardiological
Dietetic	Septic Hand
Physiotherapy	

2. OTHER MEDICAL SERVICES.

Private Medical Practitioners.

There are 25 doctors living in the Borough engaged in private practice.

Scunthorpe Borough Nursing Association.

The following tables give details of cases nursed and visits paid during 1953 :—

CASES NURSED.			VISITS PAID.		
Midwifery	.....	152	Midwifery	.....	2,690
Maternity	.....	115	Maternity	.....	2,028
General	.....	1,377	General	.....	37,070
Maternity Home		142	Ante-Natal	.....	1,869
		<hr/>	Casual	.....	531
		1,786	Maternity Home		265
		<hr/>			<hr/>
					44,453
					<hr/>

Public Mortuary.

The War Memorial Hospital has been used by the Police 79 times during the year ended 31st December, 1953.

CLINICS HELD DURING 1953.

The following special clinics were held during the year :—

Parkinson Avenue Clinic

Ante-Natal	Eye
Chest	Orthopædic
Infant Welfare	Toddlers
Immunisation	Heart
School	Rheumatism
Sunlight	Speech Therapy
Female V.D.	Vaccination
Male V.D.	

Collum Lane Clinic, Ashby.

Infant Welfare
Toddlers
Immunisation
Speech Therapy

Orthopædic
Ante-Natal
Vaccination

SCUNTHORPE SCHOOLS, 1953.

I am indebted to Mr. F. Ayres, Divisional Education Officer, for the following information showing the number of boys and girls in each school in the Borough during 1953:—

				Number on Roll		
				Boys	Girls	Total
Ashby County Primary	.....	.....	.....	310	269	579
Ashby County Infants	.....	.....	.....	191	165	356
Bushfield Road Infants	.....	.....	.....	143	125	268
Priory Lane Infants	.....	.....	.....	260	221	481
Lincoln Gardens Infants	.....	.....	.....	257	251	508
Lincoln Gardens Junior	.....	.....	.....	243	225	468
Ashby Secondary Modern Girls	.....	.....	.....	—	587	587
Brumby County Primary	.....	.....	.....	413	439	852
Brumby Secondary Modern Boys	.....	.....	.....	601	—	601
Crosby County Infants	.....	.....	.....	177	176	353
Crosby County Junior	.....	.....	.....	287	282	569
Henderson Avenue Infants	.....	.....	.....	238	268	506
Henderson Avenue Junior	.....	.....	.....	347	309	656
Doncaster Road Secondary Modern	.....	.....	.....	369	352	721
Frodingham County Infants	.....	.....	.....	247	189	436
Foxhills Secondary Modern	.....	.....	.....	243	258	501
Scunthorpe C.E. (Controlled) Infants	.....	.....	.....	102	103	205
Scunthorpe C.E. (Controlled) Junior	.....	.....	.....	154	143	297
Technical High	.....	.....	.....	291	291	582
Grammar	.....	.....	.....	323	363	686
				<hr/> 5196	<hr/> 5016	<hr/> 10212

DIPHTHERIA IMMUNISATIONS.

The number of immunisations in children under five years of age and the number of children born each year for the last five years are given in the table. The percentage of the total births immunised gives a fairly close indication of the state of immunity of the under five-years-old children and this works out at 64.6%. This is a satisfactory level of immunity which can only be maintained by the continuing enthusiasm of mothers to have their young children immunised.

			Children Immunised 0—5 years	Children Born
1949	.....	.....	747	1022
1950	.....	.....	635	1008
1951	.....	.....	659	1030
1952	.....	.....	696	1039
1953	.....	.....	598	1060
			<hr/> 3335	<hr/> 5159

IMMUNISATIONS and VACCINATIONS, SCHOOL MEDICAL INSPECTIONS, MENTAL DEFECTIVES, HOME HELPS.

I am indebted to Dr. W. S. H. Campbell, County Medical Officer of Health, for the following information on these services:—

Immunisations and Vaccinations.

The following numbers of children were immunised in Scunthorpe during the year 1953:—

No. of initial immunisations—			
Under 5 years of age .....	.....	.....	598
5—14 years .....	.....	.....	58
No. of “Boosters” .....	.....	.....	646

The following numbers of children were vaccinated in Scunthorpe during the year 1953:—

No. of vaccinations.....	.....	.....	211
No. of re-vaccinations .....	.....	.....	35
Whooping Cough (under 5 years).....	.....	.....	39

SCHOOL MEDICAL INSPECTIONS, 1953.

GROUP	Number of Children				General Condition		
	In-spected	Found to require treatment (including cases under treatment, but excluding Dental diseases, and Infestation with vermin)			A (Good)	B (Fair)	C (Poor)
		For Defective Vision (excluding Squint)	For any other condition recorded in column (b)	Total individual children requiring treatment			
Prescribed Groups Entrants (1st Periodic Exam. after admission to a maintained School)	1595	47	68	112	222	1370	3
Second Age Group (Children in last year of attendance at a Primary School)	500	25	5	30	23	477	—
Third Age Group (Children in last year of attendance at a Secondary School)	698	32	23	54	54	643	1
TOTAL (Prescribed Groups)	2793	104	96	196	299	2490	4
Other Periodic Inspections	—	—	—	—	—	—	—

Number of Supervisory Examinations
(Children found defective at previous inspections and re-examined for those defects at this inspection; a child re-examined for 2 defects should be entered as 2 examinations) } 2073

Number of Special Examinations } 4

DEFECT	Periodic Inspections		Special Inspections	
	No. of Defects		No. of Defects	
	Requiring treatment	Requiring to be kept under observation but not requiring treatment	Requiring treatment	Requiring to be kept under observation but not requiring treatment
SKIN	2	59	1	—
EYES				
(a) Defective Vision.....	104	130	—	—
(b) Squint	4	19	—	—
(c) Other	4	32	—	—
EARS				
(a) Hearing	6	31	—	—
(b) Otitis Media	3	40	—	—
(c) Other	15	16	—	—
NOSE OR THROAT	11	248	—	—
SPEECH	5	25	—	—
CERVICAL GLANDS	—	31	—	—
HEART AND CIRCULATION	7	39	—	—
LUNGS	—	98	—	—
DEVELOPMENTAL				
(a) Hernia	7	13	—	—
(b) Other	2	28	—	—
ORTHOPÆDIC				
(a) Posture	5	25	—	—
(b) Flat Feet.....	13	64	—	—
(c) Other	25	189	—	—
NERVOUS SYSTEM				
(a) Epilepsy	—	5	—	—
(b) Other	3	16	—	1
PSYCHOLOGICAL				
(a) Development	—	33	2	—
(b) Stability	—	12	—	—
OTHER — excluding Uncleanliness and Dental	5	37	—	—

Number of Normal Children—Boys 915, Girls 830.

MENTAL DEFECTIVES.

Register of Mental Defectives in Scunthorpe as on 31st December,
1953.

	Males	Females	Total
In M.D. Institutions—			
Under 16 	3	2	5
16 and over 	12	10	22
On licence from Institutions—			
Under 16 	—	—	—
16 and over 	6	2	8
Under Statutory Supervision, of whom 8 males and 5 females are awaiting institu- tional care 	46	26	72
In Hostels 	1	2	3
For supervision on leaving school	—	1	1
In Independent Institutions—Local Authority contributing to maintenance under per- missive powers 	1	—	1
Wholly maintained by parents 	—	1	1
Reported from reliable source and kept under voluntary supervision	13	15	28
In Institutions under the Lunacy Act	4	1	5
	86	60	146

HOME HELPS.

Number of Cases Visited	100
Number of Home Helps Employed	15

COMPARATIVE STATISTICS FOR THE YEAR 1953.

	Rate per 1,000 Population		Annual Death Rate per 1,000 population						Rate per 1,000 Live Births	
	Live Births	Still Births	All Causes	Whooping Cough	Tuberculosis	Influenza	Acute Poliomye- litis (inc. Polio- encephalitis)	Pneumonia	Diarrhœa and Enteritis (under 2 years)	Deaths (all causes) under 1 year)
England and Wales	15.5	0.35	11.4	0.01	0.20	0.16	0.01	0.55	1.1	26.8
London	17.5	0.38	12.5	0.00	0.24	0.15	0.01	0.64	1.1	24.8
160 County Boroughs and Great Towns including London	17.0	0.43	12.2	0.01	0.24	0.15	0.01	0.59	1.3	30.8
Scunthorpe	18.9	0.36	8.7	0.00	0.11	0.05	0.00	0.36	2.8	21.69

COMPARATIVE STATISTICS.

Year	Population estimated to middle of each year	Area in Acres	Density (persons per acre)	No. of inhabited houses	BIRTHS		DEATHS			Notified Infectious Disease	Notifications of Tuberculosis	Deaths from Cancer	Cancer Death Rate per 1,000 population	
					Number	Rate per 1,000 population	Under 1 year of age	At all ages	Number					
														Per 1,000 Live Births
1921	27,790	7,961	3.49	5,531	906	32.60	77	86.00	308	11.00	391	79	18	.647
1926	32,820	7,961	4.12	6,457	678	20.60	31	45.00	268	8.20	509	81	30	.914
1931	33,990	7,895	4.30	7,548	616	18.10	51	83.00	349	10.20	431	65	34	1.000
1936	38,740	7,895	4.90	9,970	712	18.30	40	56.10	360	9.20	377	83	37	.955
1941	45,840	7,895	5.80	12,450	855	18.65	37	43.07	408	8.90	1,082	59	44	.959
1942	44,990	7,895	5.69	12,450	882	19.60	36	40.81	391	8.69	485	40	63	1.400
1943	44,830	7,895	5.69	12,450	970	21.63	46	47.42	389	8.67	866	68	48	1.070
1944	45,750	7,895	5.79	12,450	1,098	24.00	35	31.87	395	8.63	1,219	55	58	1.267
1945	46,010	7,895	5.82	12,442	968	21.04	37	38.22	404	8.78	982	80	53	1.151
1946	48,960	7,895	6.20	12,558	1,009	20.60	30	29.73	424	8.66	825	77	70	1.429
1947	50,220	7,895	6.36	12,702	1,163	23.15	35	30.09	415	8.26	1,243	89	54	1.075
1948	51,100	7,895	6.47	13,491	1,088	21.29	53	48.71	431	8.43	1,054	58	64	1.252
1949	52,030	7,895	6.58	13,919	1,022	19.64	45	44.03	445	8.55	724	52	74	1.422
1950	54,090	7,895	6.85	14,468	1,008	18.64	29	28.77	444	8.21	1,729	32	83	1.534
1951	54,030	7,895	6.84	15,081	1,030	19.06	28	27.18	474	8.77	2,054	49	61	1.129
1952	54,930	7,895	6.97	15,516	1,039	18.91	37	35.61	422	7.68	841	40	80	1.456
1953	55,850	7,895	7.07	16,183	1,060	18.98	23	21.69	484	8.66	905	44	85	1.522

BIRTHS IN THE BOROUGH OF SCUNTHORPE.

The total number of live births registered during the year was 1,060. 52 illegitimate births were registered during the year.

The recorded birth rate (i.e. births per 1,000 inhabitants) was 18.98. 20 stillbirths were registered during the year.

Year	Total Births	Recorded Birth Rate	Registrar-General's Comparability Factor	Standardised Birth Rate	Rate for 160 County Boroughs and Great Towns	Rate per 1,000 (England and Wales)
1952	1039	18.91	0.97	18.34	16.9	15.3
1953	1060	18.98	0.97	18.41	17.0	15.5

DEATHS IN THE BOROUGH OF SCUNTHORPE.

The recorded death rate is 8.66. 281 of the persons who died had passed their 65th birthday and 149 had passed their 75th birthday.

The main causes of death are the usual ones of heart disease etc. in groups 18, 19, 20 and 21 which caused a total of 156 deaths; cerebral hæmorrhage, group 17, which caused 63 deaths; the respiratory diseases, groups 22, 23, 24 and 25 which caused 55 deaths; and deaths from violence, groups 33, 34 and 35 which caused 44 deaths.

Year	Total Deaths	Recorded Death Rate	Registrar-General's Comparability Factor	Standardised Death Rate	Rate for 160 County Boroughs and Great Towns	Rate per 1,000 (England and Wales)
1952	422	7.68	1.34	11.29	12.1	11.3
1953	484	8.66	1.34	11.60	12.2	11.4

REGISTRAR-GENERAL'S FIGURES FOR CAUSES OF DEATH DURING 1953.

Cause No.		Males	Females	Total
1	Tuberculosis, respiratory	3	3	6
2	Tuberculosis, other	—	—	—
3	Syphilitic Disease	2	—	2
4	Diphtheria	—	—	—
5	Whooping Cough	—	—	—
6	Meningococcal Infections	1	1	2
7	Acute Poliomyelitis	—	—	—
8	Measles	—	—	—
9	Other Infective and Parasitic Disease.....	1	—	1
10	Malignant Neoplasm, Stomach	12	8	20
11	Malignant Neoplasm, Lung, Bronchus...	13	2	15
12	Malignant Neoplasm, Breast	—	4	4
13	Malignant Neoplasm, Uterus	—	4	4
14	Other Malignant and Lymphatic Neoplasms	26	16	42
15	Leukemia, Aleukemia	2	1	3
16	Diabetes	1	1	2
17	Vascular Lesions of Central Nervous System	34	29	63
18	Coronary Disease, Angina	47	22	69
19	Hypertension with Heart Disease	2	5	7
20	Other Heart Disease	25	23	48
21	Other Circulatory Disease	14	18	32
22	Influenza	2	1	3
23	Pneumonia	10	10	20
24	Bronchitis	23	7	30
25	Other Diseases of Respiratory System.....	1	1	2
26	Ulcer of Stomach and Duodenum	2	1	3
27	Gastritis, Enteritis and Diarrhœa	3	3	6
28	Nephritis and Nephrosis	1	7	8
29	Hyperplasia of Prostate.....	6	—	6
30	Pregnancy, Childbirth, Abortion	—	—	—
31	Congenital Malformations	—	3	3
32	Other Defined and Ill-defined Diseases...	18	21	39
33	Motor Vehicle Accidents.....	10	3	13
34	All Other Accidents	17	11	28
35	Suicide	2	1	3
36	Homicide and Operations of War	—	—	—
		278	206	484

DEATHS.

Group No. 32, "Other Defined and Ill-defined Diseases" is a rather vague and fairly large group and has therefore been analysed further to give more precise information regarding its contents:—

Group 32.

Prematurity and other infant causes	.....	8
Senility	.....	12
Post-operative causes	.....	14
Disseminated Sclerosis	.....	1
Tumour of Brain	.....	1
Progressive Muscular Atrophy	.....	1
"Unknown"	.....	2
		<hr/>
		39
		<hr/>

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	1	1	—	—	—	1	1	1	—	—	—	—	1	6
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	2
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	2
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
10	—	—	—	—	—	—	—	1	1	2	—	3	3	4	—	2	4	20	
11	—	—	—	—	—	—	—	—	1	1	—	5	1	7	—	—	—	15	
12	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	—	1	4	
13	—	—	—	—	—	—	—	—	—	—	3	—	—	—	1	—	—	4	
14	—	—	—	—	—	—	1	2	—	4	5	5	3	10	6	5	1	42	
15	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	1	—	3	
16	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	2	
17	—	—	—	—	—	—	—	1	—	—	6	5	3	15	8	13	12	63	
18	—	—	—	—	—	—	—	2	—	9	—	15	7	12	7	9	8	69	
19	—	—	—	—	—	—	—	—	—	—	—	—	—	1	4	1	1	7	
20	—	—	—	1	—	—	1	1	1	3	2	2	1	8	4	11	13	48	
21	—	—	—	—	—	—	—	—	—	1	1	1	1	2	6	10	10	32	
22	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	—	3	
23	4	5	—	1	—	—	—	—	1	2	1	—	1	1	—	3	1	20	
24	—	—	—	—	—	—	—	—	—	3	—	3	2	11	2	6	3	30	
25	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	2	
26	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	1	3	
27	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2	6	
28	—	—	—	—	—	—	—	—	1	—	—	1	1	—	3	—	2	8	
29	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	4	—	6	
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
31	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	
32	5	3	—	—	1	1	2	1	—	1	3	2	1	1	4	6	7	39	
33	—	—	—	1	1	1	—	—	5	—	2	—	—	—	1	1	1	13	
34	—	—	1	1	4	—	2	—	3	1	1	—	2	2	2	2	5	28	
35	—	—	—	—	—	—	1	—	—	—	1	—	—	1	—	—	—	3	
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	12	13	2	4	6	3	7	3	16	7	31	24	48	27	79	53	77	72	
	25		6		9		10		23		55		75		132		149	484	

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS
BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.
Ashby Ward (Area bounded by Burringham Road, Ashby Road,
Lincoln Gardens, Warley Road and Brigg Road).
Estimated Population 11,295.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	2
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
10	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
11	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	1	—	—	1	—	1	5	1	1	—	10
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1
17	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	2	1	1	5
18	—	—	—	—	—	—	—	—	—	—	2	—	2	1	3	—	2	—	10
19	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
20	—	—	—	1	—	—	—	—	—	1	1	—	—	—	—	—	2	2	8
21	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	1	2	1	6
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	2	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	4
24	—	—	—	—	—	—	—	—	—	—	1	—	—	—	3	—	1	—	5
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
28	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
32	2	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	2	—	6
33	—	—	—	—	—	—	—	—	—	2	—	1	—	—	—	—	—	—	3
34	—	—	1	—	—	—	2	—	1	1	1	—	1	—	1	—	—	—	8
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	1	1	1	—	—	3	—	4	4	9	3	5	3	15	5	13	5	
	6		2		—		3		8		12		8		20		18		77

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

Brumby Ward (Area bounded by Brumby Wood Lane, Ashby Road, Queensway, Collum Avenue and Burringham Road).
Estimated Population 8,185.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	2
11	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	2
12	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	2
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	2	1	1	—	2	1	—	—	—	7
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
17	—	—	—	—	—	—	—	—	—	—	—	2	1	3	1	3	2	—	12
18	—	—	—	—	—	—	—	1	—	3	—	3	—	2	2	—	2	—	13
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	1	1	—	4
21	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	3	—	5
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	1	—	—	1	—	—	—	—	1	—	—	—	—	1	—	—	—	—	4
24	—	—	—	—	—	—	—	—	—	—	—	—	1	2	—	—	—	—	3
25	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	1	2	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1	—	7
33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
34	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	2
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	2	1	1	1	—	—	1	1	1	5	1	7	6	14	8	5	12	
	4		2		1			1	2		6		13		22		17		68

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

Crosby Ward (Area bounded by Buckingham Avenue,
Buckingham Street and Berkeley Street).

Estimated Population 4,234.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		TOTAL
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	2
11	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	3
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	1	—	—	—	—	—	—	—	—	—	—	1	1	—	1	—	4
15	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	1	—	—	—	—	—	—	—	2	1	—	1	3	—	8
18	—	—	—	—	—	—	1	—	—	—	—	3	1	1	2	—	3	1	12
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	1	—	—	—	—	2	—	1	3	7
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1
22	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1
23	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1
24	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	1	3
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	2
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1
34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	1	1	—	1	—	—	—	2	—	2	1	7	1	8	6	10	9	—
	—	1	1	—	1	—	—	—	2	—	3	—	8	—	14	—	19	—	49

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

East Ward (Area bounded by Alexander Road, Frodingham
Footpath, Wells Street and Cole Street).

Estimated Population 2,918.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		TOTAL
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	1	4
18	—	—	—	—	—	—	—	—	—	—	1	—	—	2	2	1	—	1	7
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2	1	5
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	3
24	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	2
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	—	—	1	1	—	—	—	—	1	3	7
33	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1
34	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	1	1	4
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	2	—	—	—	—	1	—	2	—	2	1	3	4	4	4	8	8	
	2	—	—	—	—	—	1	—	2	—	3	—	7	—	8	—	16	—	39

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

Frodingham Ward (Area bounded by Alexander Road, Rowland Road, Ashby Road, Queensway, Collum Avenue, Lincoln Gardens and Warley Road). Estimated Population 9,932.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		TOTAL
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	1	2	—	—	—	—	1	3	1	—	8
11	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	2
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	3	—	—	—	1	—	1	—	5
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	1	—	—	1	1	3	1	1	1	1	10
18	—	—	—	—	—	—	—	—	—	—	2	—	3	—	—	1	1	2	9
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	1	1	1	—	3	2	1	2	11
21	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	1	2	5
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
23	—	1	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	1	4
24	—	—	—	—	—	—	—	—	—	—	2	—	2	1	—	2	—	1	8
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1
27	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
28	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	—	—	3
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1	1	1	5
33	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1	—	—	4
34	—	—	—	—	1	—	—	—	—	—	—	—	1	2	—	—	—	1	5
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	1	2	—	1	1	—	2	—	3	1	9	6	9	5	10	13	12	12	
	3	—	—	1	1	—	2	—	4	—	15	—	14	—	23	—	24	—	87

**AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS
BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.
Park Ward (Area bounded by Jackson Road, Buckingham Street
and Buckingham Avenue).
Estimated Population 7,564.**

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	2
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	1	—	3
11	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	2
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	2
14	—	—	—	—	—	—	1	—	—	2	—	2	—	—	1	—	—	—	6
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	2	—	—	2	1	—	1	—	6
18	—	—	—	—	—	—	—	—	—	—	—	—	2	—	1	—	1	2	6
19	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	2
20	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	1	2	5
21	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	1	1	4
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	1	4
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	1	1	—	—	—	—	—	—	—	—	1	—	—	—	2	—	—	1	6
33	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1
34	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	2
35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	2	—	—	1	1	—	1	2	—	3	6	3	4	7	7	7	8	
	6	—	—	—	2	—	1	—	2	—	9	—	7	—	14	—	15	—	56

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS
BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.

Town Ward (Area bounded by Berkeley Street, Frodingham Road,
Oswald Road, Rowland Road, Cole Street and Wells Street).
Estimated Population 4,105.

Cause No.	0—5		5—15		15—25		25—35		35—45		45—55		55—65		65—75		Over 75		Total
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1
11	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	2
14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	1	4	1	8
18	—	—	—	—	—	—	—	—	—	—	—	—	2	—	1	—	1	—	4
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	2	1	4
21	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	2	1	5
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	2
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	2
33	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1
34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	2
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—		—	—	—	—	2	—	—	1	1	—	4	2	2	5	2	13	5	37
—		—	—	—	—	2	—	—	2	—	4	—	4	—	7	—	18	—	—

AGE AND SEX DISTRIBUTION OF CAUSES OF DEATHS
BY REGISTRAR-GENERAL'S RETURNS OF 36 GROUPS.
West Ward (Area bounded by Jackson Road, Spencer Avenue,
Berkeley Street, Oswald Road and Brumby Wood Lane).
Estimated Population 7,617.

Cause No.	0-5		5-15		15-25		25-35		35-45		45-55		55-65		65-75		Over 75		TOTAL
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1
7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	1	—	3
11	—	—	—	—	—	—	—	—	—	—	—	2	—	1	—	—	—	—	3
12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	1	—	—	—	2	2	1	2	1	—	—	9
15	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	2	—	—	3	1	2	2	—	10
18	—	—	—	—	—	—	—	—	—	1	—	2	1	3	—	1	—	—	8
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
20	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	1	1	—	4
21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	2	—	5
22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
23	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2
24	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	3
25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1
26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	—	—	—	—	—	1	—	—	1	—	1	—	3
29	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	2
30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	1	—	1	—	—	—	—	2	—	—	—	1	1	—	6
33	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1
34	—	—	—	1	1	—	—	1	—	—	—	—	—	—	1	—	2	—	6
35	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1
36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	—	3	—	1	3	—	—	1	2	—	1	2	11	3	16	10	8	10	
	3		1		3		1		2		3		14		26		18		71

INFANT MORTALITY.

A total of 23 infants (12 males and 11 females) under the age of one year died during 1953. 2 of these (1 male and 1 female) were illegitimate.

Rate per 1,000 Births.

Year	Scunthorpe	160 County Boroughs and Great Towns	England and Wales
1952	35.61	21.2	27.6
1953	21.69	30.8	26.8

The infant mortality rate and the neonatal mortality rate are the lowest ever recorded in the Borough. Of the 23 infants who died, 8 died due to prematurity, 9 due to pneumonia, 3 due to infection of the gastro-intestinal tract and 2 to congenital defects. The nine pneumonia and 3 gastro-intestinal tract infections can all be considered as being potentially preventable, and it cannot be too strongly emphasised that babies should always be kept away from any risk of infection. A young baby should be fondled and handled mainly by its mother, and the fewer the persons who come into close contact with it, the better it is for the baby.

Gastro Enteritis is best prevented by strict attention to cleanliness in all its aspects. A clean, fly-free home, clean freshly prepared feeds, clean clothes, a clean cot, a clean pram, clean hands and clean utensils, will go a very long way towards keeping a baby healthy and happy.

The low infant mortality rate, combined with the fact that the maternal mortality rate is zero, reflects great credit on the high standard of mothercraft in the town and on the very high degree of professional skill and care displayed by the general practitioners in the Borough. The quiet and unspectacular work of the Health Visitors over many years in disseminating correct information and teaching good methods to the mothers is probably the most important single factor in producing our new low record and cannot be over emphasised.

Infant Mortality—Ward Distribution.

			Males	Females	Total
Ashby	.....	.....	5	—	5
Brumby	.....	.....	2	2	4
Crosby	.....	.....	—	1	1
East	.....	.....	—	2	2
Frodingham	.....	.....	1	2	3
Park	.....	.....	4	2	6
Town	.....	.....	—	—	—
West	.....	.....	—	2	2
			—	—	—
			12	11	23
			—	—	—

Number of Infants dying in Hospital	17
(Brumby Isolation Hospital 2, War Memorial 5, Maternity Home 9, City Hospital, Lincoln 1)	
Number of Infants dying at home	6

NEONATAL DEATH RATE.

Year	England and Wales	Scunthorpe
1947	22.7	20.63
1948	19.7	23.89
1949	19.3	35.22
1950	18.5	20.83
1951	18.8	17.48
1952	18.9	24.06
1953	17.7	10.38

CAUSES OF INFANT DEATHS DURING 1953.

Cause of Death		Sex	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total Deaths under 4 weeks	1—3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
Congenital	M.	—	—	—	—	—	—	—	—	—	—	—
Malformations	F.	1	—	—	—	—	1	—	—	—	—	1
Gastro Enteritis	M.	—	—	—	—	—	—	—	—	2	—	2
	F.	—	—	—	—	—	—	—	—	—	—	—
Hæmatemesis	M.	—	—	—	—	—	—	—	—	—	—	—
	F.	—	—	1	—	—	1	—	—	—	—	1
Pneumonia	M.	—	—	—	—	—	—	1	1	1	1	4
	F.	—	2	—	—	—	2	—	2	—	1	5
Prematurity	M.	4	1	—	—	—	5	—	—	—	—	5
	F.	1	—	—	—	—	1	2	—	—	—	3
Spina Bifida	M.	—	—	—	—	—	—	—	—	—	—	—
	F.	—	—	—	—	—	—	1	—	—	—	1
Typhi Murium	M.	—	—	—	1	—	1	—	—	—	—	1
	F.	—	—	—	—	—	—	—	—	—	—	—
Males			4	1	—	1	6	1	1	3	1	12
Females			2	2	1	—	5	3	2	—	1	11
TOTALS			6	3	1	1	11	4	3	3	2	23

CANCER, 1953.

Year	Number of deaths from Cancer	Population of Scunthorpe	Cancer fatality rate per 1,000 population	Number of deaths from all causes	Percentage of deaths due to Cancer
1944	58	45,750	1.27	395	14.68
1945	53	46,010	1.15	404	13.12
1946	70	48,960	1.43	424	16.51
1947	54	50,220	1.08	415	13.01
1948	64	51,100	1.25	431	14.85
1949	74	52,030	1.42	445	16.63
1950	83	54,090	1.53	444	18.69
1951	61	54,030	1.13	474	12.87
1952	80	54,930	1.45	422	18.95
1953	85	55,850	1.52	484	17.56

AGE AND SEX DISTRIBUTION OF DEATHS FROM CANCER, 1953.

Age	Malignant Neoplasm, Lung, Bronchus		Malignant Neoplasm, Breast		Malignant Neoplasm, Stomach		Malignant Neoplasm, Uterus		Other Malignant and Lymphatic Neoplasms		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
0—	—	—	—	—	—	—	—	—	—	—	—	—
1—	—	—	—	—	—	—	—	—	—	—	—	—
5—	—	—	—	—	—	—	—	—	—	—	—	—
10—	—	—	—	—	—	—	—	—	—	—	—	—
15—	—	—	—	—	—	—	—	—	—	—	—	—
20—	—	—	—	—	—	—	—	—	—	—	—	—
25—	—	—	—	—	—	—	—	—	—	1	—	1
35—	—	1	—	—	1	1	—	—	2	—	3	2
45—	1	—	—	—	2	—	—	3	4	5	7	8
55—	5	1	—	1	3	3	—	—	5	3	13	8
65—	7	—	—	2	4	—	1	1	10	6	21	9
75—	—	—	—	1	2	4	—	—	4	1	6	6
85—	—	—	—	—	—	—	—	—	1	—	1	—
TOTAL	13	2	—	4	12	8	—	4	26	16	51	34

Cancer is a subject which at the moment is arousing considerable interest in the public press. The general field of cancer is not greatly in dispute but only that of cancer of the lung and its alleged association with atmospheric pollution in general and with tobacco smoking in particular. How much of this interest is due to the public at large worrying over the thought of being deprived of yet one more of their simple pleasures in life, and how much due to the vested interests of the tobacco trade, troubled lest their profits vanish like the smoke clouds they labour so hard to produce, is a problem best contemplated, but not necessarily solved, in the tranquil atmosphere only achieved by a judicious combination of alcohol and the tobacco smoke which is at the moment so much maligned.

However, it will be of some interest to compare the past with the present so far as cancer is concerned in the Borough so that the problem can be viewed in reasonable perspective.

For this purpose, two five year periods have been taken—1929 to 1933 and 1949 to 1953, with a 20 year interval between them, and the various relevant figures have been extracted and are given below:—

Year	Population	Deaths	Deaths from		Total Deaths
		from Cancer of all types	Total	Lung Cancer Males Only	
1953	55,850	85	15	13	484
1952	54,930	80	14	11	422
1951	54,030	61	9	9	474
1950	54,090	83	7	7	444
1949	53,030	74	12	12	445
5 year totals:		383	57	52	
Average	54,186	76.6	11.4	10.4	453.8

Expected figures using

1929—1933 rates:

5 year totals:		272	10	8	
Average		54.4	1.9	1.6	554
1933	34,590	36	3	3	359
1932	34,190	36	1	1	325
1931	33,990	34	0	0	349
1930	31,880	33	1	0	327
1929	31,980	29	1	1	350
5 year totals:		168	6	5	
Average	33,310	33.6	1.2	1	342

Expected deaths using

1949—1953 rates:

5 year totals:		234	35	32	
Average		46.7	6.9	6.3	276

The population has increased by some 21,000 persons during the period and consequently all the other totals are increased also.

If the dates for the earlier period are applied to the increased population figures, an estimate of the number of persons which might have been expected in the various groups can be obtained and the figures can be reversed by using the actual numbers in the later period and finding the proportionate number which might have been expected in the earlier period. This has been done and the figures are also given in the table. The results show very clearly that there has been a very considerable increase in the number of deaths from cancer and especially from cancer of the lung among men. This is in accord with the findings over the country as a whole.

A ten-fold increase in the number of deaths from lung cancer and a very considerable increase in the number of deaths from all types of cancer, along with a considerable decrease in the total number of deaths expected, appears at first sight to be well worth worrying about, but some further consideration and a few more relative figures relieve the dark outlook considerably and these are given below:—

	1929—1933	1953
Average age at death, all persons	45.32	61.83
Average age at death, all cancers	59.1	62.68
Average age at death, lung cancers only.....	47.1	63.0
	1931	1951
Percentage of all deaths over 65 years	27.5	56.2
Percentage of cancer deaths over 65 years	29.41	44.26
Percentage of population over 45 years	22.2	26.75
Percentage of population over 65 years	4.15	6.0

From these figures it is easy to see that we are living considerably longer and therefore more deaths are occurring in the older age groups—even in cancer the average age at death has risen by three years and in cancer of the lung taken separately it has risen by 16 years.

If we take all causes of death, the number of people who were over 65 years of age when they died has more than doubled between the years of 1931 and 1951 while in cancer alone the number of persons who were over 65 when they died has increased by about 15%.

Cancer is mainly an affliction of the older age groups and much of the apparent increase can be considered to be due to the fact that far more people are now living to enjoy a ripe old age with its attendant risk of a much greater chance of dying of cancer.

Age at death becomes relatively important when the cause of death is being considered because it is one of the certainties of this life that everybody sooner or later must die of something or other and if they fail to die of measles or diphtheria or whooping cough when they are young, they must die of something else when they are older, and the older they get, the more likely it is that they will die of heart disease, or cerebral thrombosis, or cancer.

The cause of cancer is still to some extent in dispute and it was previously thought that if the cause could be discovered, then the cure would be a simple matter. With this aim in view the experts over many years have searched for substances which will cause cancer, with such extraordinary success that they now have more carcinogens than they want. The various tar extracts have been the most prolific sources of cancer causing substances and it is not surprising that the tar from tobacco smoke can be made to cause cancer because most other types of tar can be made to do the same. What is more important is the fact that these carcinogens must alter the internal harmony of the body before a cancer can start and since the body is now considered to be mainly regulated by its hormones, it may be in these that the answer lies. In old age there is a very great change in the hormonal control of the body and it is quite feasible that hormonal unbalance alone is sufficient to leave the way clear for tumour growth. When these changes are augmented by the irritation caused by excessive smoking, it is to be expected that the cancer will make its appearance in the lungs rather than in other parts of the body not subjected to the same strain.

From time immemorial it has been accepted that moderation in all things is one of the golden rules for health and longevity and this still applies, even with smoking. Moderation as regards smoking can be taken as being less than 20 cigarettes per day.

DEATHS FROM CANCER, 1953.

The following table gives a summary of death certificates issued during 1953:—

<i>Sex</i>	<i>Age</i>	<i>Cause of death and Site of Cancer</i>	<i>Occupation</i>
M	86	Cachexia ; carcinoma of lower lip	Retd. steelworks labourer.
M	79	Carcinoma of transverse colon	Retd. steelworks billet inspector.
M	77	Carcinoma of oesophagus	Retd. steelworks smelter.
M	75	Carcinomatosis ; carcinoma of transverse colon (excised)	Retd. steel plater's helper.
M	75	Carcinoma of bladder	Retd. steelworks labourer.
M	75	Carcinomatosis ; carcinoma of stomach	Retd. crane driver.
M	75	Carcinoma of stomach	Furrier.
M	74	Carcinoma of bladder	Retd. iron moulder.
M	74	Carcinoma of pancreas	Retd. steelworks electrician
M	74	Carcinoma of lung	Retd. park keeper.
M	74	Bronchogenic carcinoma	Retd. club steward.
M	73	Carcinoma of right lung	Retd. loco shed chargehand
M	73	Carcinoma prostate	Retd. ironstone mine labourer.

<i>Sex</i>	<i>Age</i>	<i>Cause of death and Site of Cancer</i>	<i>Occupation</i>
M	73	Carcinoma of bladder	Retd. steelworks slinger.
M	73	Cachexia ; carcinoma prostate	Retd. agricultural worker.
M	71	Generalised carcinoma ; carcinoma of oesophagus	Retd. steel smelter.
M	70	Carcinoma of stomach	Retd. railway foreman shunter.
M	70	Carcinoma ventriculi	Retd. steelworks pipe fitter.
M	69	Carcinomatosis ; carcinoma of stomach	Retd. analytical chemist.
M	69	Adenocarcinoma of rectum.....	Retd. steelworks labourer.
M	68	Adenocarcinoma of caecum.....	Retd. steelworks blast-furnaceman.
M	67	Bronchogenic carcinoma	Contractor's labourer.
M	67	Carcinoma of prostate	Steelworks gantryman.
M	67	Carcinoma of lung	Steelworks bricklayer.
M	67	Carcinoma of lung	Retd. steelworks foreman plater.
M	67	Adenocarcinoma ventriculi	Retd. steelworks labourer.
M	66	Carcinoma colon	Steelworks analytical chemist.
M	65	Carcinoma of lung	Steelworks fitter.
M	64	Carcinoma of lung	Steelworks general labourer
M	64	Bronchogenic carcinoma	Steelworks loader.
M	63	Carcinoma of rectum	Steelworks roll turner.
M	63	Carcinoma of oesophagus	Army Depot Storekeeper (Civilian).
M	63	Carcinoma of rectum (excised)	Steelworks fitter.
M	63	Carcinoma of bronchus	Master builder.
M	61	Carcinoma of left tonsil	Steelworks bricklayer.
M	59	Prostatic carcinoma	Steelworks sample passer.
M	58	Carcinoma of lung	Steelworks pipe fitter.
M	58	Carcinoma of stomach	Steelworks handyman.
M	57	Carcinoma of stomach	Steelworks storekeeper.
M	57	Bronchogenic carcinoma	Plate mill shears operator.
M	55	Gastric carcinoma	Steelworks melting shop foreman.
M	54	Carcinoma of pancreas	Steelworks driller.
M	52	Carcinoma of bronchus	Steelworks dumper driver.
M	50	Carcinoma of stomach	Retail confectionery manager.
M	49	Cachexia	Steelworks wagon builder.
M	48	Cachexia ; secondaries in liver	Steelworks rigger.
M	47	Cachexia	Steelworks joiner.

<i>Sex</i>	<i>Age</i>	<i>Cause of death and Site of Cancer</i>	<i>Occupation</i>
M	45	Carcinoma of stomach	Steelworks blacksmith.
M	41	Secondary carcinoma of liver ; primary carcinoma of colon.....	Steelworks clerk.
M	40	Carcinomatosis ; carcinoma penis	Steelworks rigger.
M	38	Carcinoma of stomach	Steelworks blastfurnace hand.
F	84	Carcinoma of stomach	Widow.
F	79	Carcinomatosis ; carcinoma breast	Widow.
F	79	Adenocarcinoma of mesentery	Housewife.
F	74	Carcinomatosis ; carcinoma of bladder	Widow.
F	74	Carcinoma colon	Spinster.
F	73	Carcinoma of breast	Spinster.
F	73	Carcinoma of stomach	Widow.
F	73	Carcinoma of colon	Widow.
F	71	Carcinoma of stomach	Widow.
F	71	Sarcoma of sacrum	Housewife.
F	68	Carcinoma of stomach	Widow.
F	68	Secondary carcinoma of cere- bellum ; primary carcinoma of rectum	Widow.
F	68	Adenocarcinoma of pelvic colon	Housewife.
F	65	Carcinomatosis ; carcinoma cervix (excised)	Housewife.
F	65	Carcinoma of breast	Housewife.
F	64	Carcinoma of breast	Housewife.
F	62	Carcinoma of stomach	Widow.
F	61	Carcinomatosis ; carcinoma of stomach	Housewife.
F	60	Retro-peritoneal carcinoma	Housewife.
F	58	Sarcoma of left femur with lung metastases	Housewife.
F	58	Carcinoma of stomach	Widow.
F	58	Bronchogenic carcinoma	Widow.
F	55	Secondary carcinomatosis ; carcinoma of rectum (excised)	Housewife.
F	54	Carcinoma of bladder	Widow.
F	52	Carcinoma of cervix uteri	Housewife.
F	51	Carcinomatosis ; carcinoma rectum	Housewife.

<i>Sex</i>	<i>Age</i>	<i>Cause of death and Site of Cancer</i>	<i>Occupation</i>
F	50	Carcinomatosis; carcinoma cervix	Housewife.
F	49	Secondary carcinoma caecum; primary carcinoma gall bladder	Housewife.
F	46	Carcinoma of rectum (excised)	Housewife.
F	46	Cerebral tumour (malignant)	Widow.
F	45	Carcinoma of cervix	Housewife.
F	42	Carcinoma of bronchus	Housewife.
F	39	Carcinomatosis; carcinoma stomach	Housewife.
F	31	Clioma of right parietal region	Housewife.

VENEREAL DISEASES.

The following table shows the number of persons residing in Scunthorpe who attended the Clinic during 1953:—

				Children	
			Males	Females	under 16 Total
Syphilis .....	.....	.....	1	6	— 7
Gonorrhœa .....	.....	.....	7	1	— 8
Other Conditions .....	.....	.....	41	17	2 60
			— 49	— 24	— 2 75
			—	—	—

INFECTIOUS DISEASES.

The position as regards the notifiable infectious diseases in the Borough continues to be reasonably satisfactory. Tuberculosis and pneumonia, both of which are dealt with elsewhere, are not included in the following remarks.

A total of 866 cases were notified and there were three deaths from infectious diseases during the year. Two of the deaths were due to meningitis and the other to bacterial food poisoning, this last being a baby less than 4 weeks old. These occasional deaths serve to remind us that the notifiable infectious diseases, although under control, are still dangerous enemies ready at any moment to step, once again, into the front rank of killing diseases if preventive measures are allowed to slacken in the slightest.

The largest single group was 428 cases of measles ; the next was 268 cases of whooping cough, and there were 114 cases of scarlet fever. These figures are up to expectations considering the degree of control which can be reasonably exercised over them.

There were 6 notifications of poliomyelitis during the year, 4 of these with some paralysis. The rate per 100,000 for England and Wales was 10.4 for the year and the rate for Scunthorpe works out at 10.7 per 100,000. There is no doubt that poliomyelitis is a highly infectious disease which can be very disabling. It can also be fatal and in 1953 318 persons in England and Wales died of it.

1 case of encephalitis occurred and this was a complication of mumps.

25 cases of Sonne dysentery occurred at intervals during the year.

Four cases of food poisoning occurred during the year. Two were due to bacterial infections, the organism being salmonella typhi murium, and two were due to causes which could not be ascertained.

74 cases of Gastro Enteritis were admitted to Brumby Isolation Hospital and one death occurred.

NOTIFIED INFECTIOUS DISEASES, 1953 (corrected in cases of revised diagnosis).

	Under 1 year	1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—25	25—35	35—45	45—65	65 and over	Totals
Measles	14	55	65	67	57	166	2	—	1	1	—	—	—	428
Whooping Cough	27	34	44	30	43	90	—	—	—	—	—	—	—	268
Scarlet Fever	—	2	5	13	20	70	1	2	1	—	—	—	—	114
Pneumonia	4	1	3	4	—	6	—	—	5	1	5	8	2	39
Erysipelas	—	—	—	—	—	1	1	—	—	—	1	5	—	8
Poliomyelitis:														
Non-Paralytic	—	—	—	—	—	1	1	—	—	—	—	—	—	2
Paralytic	—	—	—	—	1	2	—	—	—	1	—	—	—	4
Food Poisoning	1	—	—	—	—	—	1	—	—	1	—	—	1	4
Dysentery	5	5	4	—	1	5	1	—	—	1	2	—	1	25
Encephalitis	—	—	—	—	—	1	—	—	—	—	—	—	—	1
Diphtheria	—	—	—	—	—	1	—	—	—	1	—	2	—	4
Puerperal Pyrexia	—	—	—	—	—	—	—	—	2	3	—	—	—	5
Paratyphoid Fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal Infections	1	—	—	—	—	1	—	—	—	1	—	—	—	3
	52	97	121	114	122	344	7	2	9	10	8	15	4	905

INFECTIOUS DISEASES, SCHOOL DISTRIBUTION, 1953.

School	Scarlet Fever	Measles and German Measles	Chicken Pox	Dysentery	Erysipelas	Observa- tions	Whooping Cough	Pneu- monia	Mumps	Polio- myelitis	Cerebro Spinal Fever	Diphtheria	Enceph- alitis	Food Poisoning	Para- typhoid	Totals
Crosby Junior Mixed	1	2	4	—	—	2	1	1	—	—	—	—	1	—	—	12
Crosby Infants	7	16	4	—	—	1	7	1	5	—	—	—	—	1	—	42
Henderson Avenue Junior Mixed	3	—	—	—	—	5	1	—	—	—	—	—	—	—	—	9
Henderson Avenue Infants	6	23	—	2	—	8	11	—	—	—	—	—	—	—	—	50
Gurnell Street Boys	—	—	4	—	1	2	—	—	1	—	—	1	—	—	—	7
Gurnell Street Girls	1	—	4	—	—	1	1	1	—	—	—	—	—	1	—	9
Gurnell Street Infants	—	—	67	—	—	2	2	1	—	1	—	—	—	—	—	73
Doncaster Road Boys	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2
Doncaster Road Girls	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1
Frodingham Infants	10	23	33	—	—	2	33	1	1	—	—	—	—	1	—	103
Brumby Boys	—	—	—	—	—	3	—	—	—	1	—	—	—	—	1	6
Brumby Junior Mixed	3	3	2	—	—	8	—	—	—	—	1	2	—	—	—	19
Ashby Priory Lane	11	31	12	—	—	12	30	—	15	—	—	—	—	—	—	111
Ashby Girls	1	—	1	—	—	12	—	—	—	—	—	—	—	—	—	14
Ashby Junior Mixed	4	2	2	—	—	7	1	—	—	2	—	—	—	—	—	18
Ashby Infants	7	28	21	—	—	12	21	—	2	—	—	1	—	—	—	92
Ashby Lincoln Gardens	11	59	5	—	—	17	13	—	—	—	1	—	—	—	—	106
Technical High	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1
Grammar	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	2
Santon Terrace	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1
St. Bernadette's	7	11	—	—	—	7	—	—	—	1	—	—	—	—	—	26
Henderson Avenue Nursery	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	1
Linton Private	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	2
Foxhills	—	—	—	—	1	8	—	—	—	2	—	1	—	—	—	12
Lincoln Gardens Junior...	—	2	1	—	—	6	1	—	—	—	—	—	—	—	—	10
Bushfield Road	3	37	21	—	—	1	16	1	1	—	—	—	—	—	—	81
St. Norbutt's, Crowle	—	—	1	—	—	4	2	—	1	—	—	—	1	—	—	7
Brigg Preparatory	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	3
Brigg Grammar	1	—	—	—	—	2	—	—	—	—	—	—	—	—	—	4
Brigg Manor House Convent	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2
Totals	77	239	182	2	2	128	142	5	26	9	2	5	2	4	1	826

TOTAL MONTHLY INCIDENCE OF ALL KNOWN CASES OF INFECTIOUS DISEASES.

	January	February	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	Total
Scarlet Fever	9	9	16	13	14	13	14	6	4	7	16	15	136
Diphtheria	2	1	1	1	—	3	—	—	3	1	4	1	17
Pneumonia	7	9	3	2	—	2	—	1	—	4	15	5	48
Erysipelas	2	2	1	—	—	—	1	—	—	1	1	—	8
Puerperal Pyrexia	1	—	—	—	—	—	3	—	—	1	—	—	5
C.S. Fever	1	1	—	—	—	—	1	2	1	—	—	—	6
Polioomyelitis	—	—	—	—	—	—	—	—	1	3	4	2	10
Polioencephalitis	—	—	1	—	—	—	—	—	—	—	—	—	1
Whooping Cough	29	37	58	87	59	40	24	17	16	—	5	6	378
Measles and German Measles.....	91	13	5	10	83	99	58	46	14	23	33	5	480
Chicken Pox	4	7	3	39	17	18	—	4	5	82	8	33	220
Mumps	10	13	17	1	1	1	—	—	—	—	—	—	43
Gastro Enteritis	5	5	3	8	4	6	4	6	3	3	3	3	53
Dysentery	6	3	2	1	1	—	5	4	4	4	3	2	35
Rheumatic Fever	—	1	—	—	—	—	—	—	—	—	—	—	1
Observation	26	17	15	15	28	47	33	14	21	18	43	20	297
Food Poisoning	—	—	—	—	—	—	7	1	1	—	—	—	9
Broncho Pneumonia	2	2	—	—	—	—	—	—	—	2	1	—	7
Paratyphoid Fever	—	—	—	—	—	1	—	—	1	—	—	—	1
Croup	—	—	—	—	—	—	—	—	—	—	—	—	1
Diarrhœa	—	—	—	—	—	—	1	—	—	—	—	—	1
	195	120	125	177	207	230	151	101	74	149	136	92	1757

MINISTRY OF HEALTH ANNUAL RETURN ON FOOD POISONING.

1. Notifications :

(a) Local Authority: Scunthorpe M.B. Year: 1953.

(b) Food Poisoning Notifications (Corrected) to R.G.

1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
—	—	4	—

(c) Outbreaks due to identified agents:

Total Outbreaks	Total Cases
1	1 (plus 3 contacts)

(d) Outbreaks of undiscovered cause:

Total Outbreaks	Total Cases
Nil	Nil

(e) Single Cases (no apparent connection)

Agent Identified	Unknown Cause	Total
1	2	3

(Salmonella typhi murium)

2. Food Poisoning Outbreak (Summary of Details):

(a) Food causing outbreak: Unknown.

(b) Cases forming outbreak which occurred 10th July to 11th September:

Total Notified	Total Ascertained	Total Fatal
1	4	Nil

(c) Clinical Features:

Notified case had severe vomiting and diarrhoea; did not respond to sulphonamides; 1 contact had diarrhoea; other two contacts had no symptoms.

(d) Results of laboratory investigations:

All positive salmonella typhi murium.

(e) Origin and preparation of food causing illness: Unknown.

(f) Place where food causing illness was consumed: At home.

(g) Probable origin of infection or contamination of food: Unknown.

INFECTIOUS DISEASE NURSE'S CASES AND VISITS.

					Cases	Visits
Scarlet Fever .....	.....	.....	.....	.....	136	448
Diphtheria .....	.....	.....	.....	.....	17	32
Measles .....	.....	.....	.....	.....	475	620
Whooping Cough .....	.....	.....	.....	.....	378	1070
Pneumonia .....	.....	.....	.....	.....	48	20
Broncho Pneumonia .....	.....	.....	.....	.....	7	7
German Measles .....	.....	.....	.....	.....	5	5
Dysentery .....	.....	.....	.....	.....	35	74
Erysipelas .....	.....	.....	.....	.....	8	14
Gastro Enteritis .....	.....	.....	.....	.....	53	62
Mumps .....	.....	.....	.....	.....	43	45
Observations .....	.....	.....	.....	.....	297	497
Chicken Pox .....	.....	.....	.....	.....	220	245
Cerebro Spinal Fever .....	.....	.....	.....	.....	6	19
Puerperal Pyrexia .....	.....	.....	.....	.....	5	2
Poliomyelitis .....	.....	.....	.....	.....	10	22
Rheumatic Fever .....	.....	.....	.....	.....	1	1
Paratyphoid Fever .....	.....	.....	.....	.....	1	2
Food Poisoning .....	.....	.....	.....	.....	9	37
Diarrhœa .....	.....	.....	.....	.....	1	1
Croup .....	.....	.....	.....	.....	1	1
Polio-encephalitis .....	.....	.....	.....	.....	1	2
					<hr/> 1757	<hr/> 3226

TUBERCULOSIS, 1953.

This disease is slowly but surely yielding to the methods of control and treatment which are being used against it. The number of new cases notified remains at a fairly low level and the figure of six deaths caused by it is the lowest ever recorded in the Borough.

Age	New Cases Notified during 1953				Deaths during 1953			
	Pulmonary		Non-		Pulmonary		Non-	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	1	—	—	—	—	—	—	—
1—	—	—	—	—	—	—	—	—
5—	—	—	—	—	—	—	—	—
10—	1	—	—	1	—	—	—	—
15—	3	5	—	—	—	1	—	—
20—	1	3	1	—	—	—	—	—
25—	1	5	1	1	1	—	—	—
35—	6	2	—	—	—	—	—	—
45—	3	1	—	1	1	1	—	—
55—	—	2	1	—	—	—	—	—
65 and over	3	—	—	1	1	1	—	—
<hr/>								
		19	18	3	4	3	3	—

A DECADE OF TUBERCULOSIS.

Year	NEW CASES		Total	CASES ON BOROUGH REGISTER		Pul- monary	DEATHS		Total
	Pul- monary	Non-Pul- monary		Pul- monary	Non-Pul- monary		Pul- monary	Non-Pul- monary	
1944	43	12	55	231	84	13	3		16
1945	67	13	80	277	94	14	2		16
1946	66	11	77	307	101	26	1		27
1947	81	8	89	350	104	21	3		24
1948	54	4	58	375	106	17	1		18
1949	50	2	52	384	106	17	1		18
1950	31	1	32	325	72	13	2		15
1951	45	4	49	310	56	7	1		8
1952	35	5	40	299	56	5	3		8
1953	37	7	44	258	48	6	—		6

The Mass Miniature Radiography Unit re-visited Scunthorpe during the summer and details of the findings are given in the following table. The organising secretary of the Unit has the following remarks to make:—

“This survey included for the first time the school children due to leave school within the next two years.

The response in the works was on the whole quite satisfactory but, as on our previous visit, the response from the general public was not as good as we have had in other parts of the country.”

Scunthorpe Survey, 1953.

	Males	Females
Miniatures taken	7873	3127
Recalled for large film	213	58
Recalled for clinical after large film.....	77	16
Recalled for clinical without large film	46	13
Referred to own Doctor	21	9
Referred to Chest Clinic	49	6
Cases of:—		
Bronchiectasis	1	1
Pneumokoniosis	3	—
Neoplasm	1	—
Cardiac Abnormality	26	7
Pulmonary Tuberculosis		
post primary active	11	—
Pulmonary Tuberculosis		
post primary inactive	76	9
Cases still under observation at the		
Chest Clinic	9	1

The number of cases of active Tuberculosis discovered dropped from 20 out of 12,993 in 1951 to 11 out of 11,000 cases in 1953.

PNEUMONIA.

There were 39 notifications of, and 20 deaths from, pneumonia. The deaths from pneumonia are now occurring mainly at the extremes of life when resistance to infection tends to be lowered. Nine were infants and another five were over 65 years of age. Special care should be taken of babies and old people to prevent respiratory infections and mild chest colds should be regarded as dangerous from the very start. A little extra care in the early stage will do far more good than a great deal of medicine when the disease has become firmly established.

Decenium of Deaths due to Pneumonia.

	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953
Males	10	11	2	7	9	5	5	8	8	10
Females	5	7	6	7	8	6	4	10	6	10
	15	18	8	14	17	11	9	18	14	20

Deaths due to Pneumonia, Age and Sex Distribution, 1953.

	Males	Females	Total
0—	4	5	9
1—	—	—	—
5—	—	1	1
10—	—	—	—
15—	—	—	—
25—	—	—	—
35—	—	1	1
45—	2	1	3
55—	—	1	1
65—	1	—	1
75—	3	1	4
85 and over	—	—	—
	10	10	20

METEOROLOGICAL RECORDS, 1953.

Month	Barometer		Thermometer		Rainfall (inches)
	Max.	Min.	Max.	Min. (in shade)	
January	30.65	29.25	52°F	23°F	0.74
February	30.8	20.55	61°F	36°F	1.12
March	30.8	29.4	69°F	23°F	0.53
April	30.5	29.2	62°F	31°F	1.74
May	30.5	29.5	84°F	32°F	1.38
June	30.3	29.6	78°F	41°F	1.68
July	30.1	29.3	81°F	46°F	1.56
August	30.3	29.5	93°F	47°F	2.38
September	30.7	28.8	75°F	40°F	1.06
October	30.6	29.2	70°F	30°F	1.55
November	30.5	29.0	56°F	32°F	1.12
December	30.6	29.5	55°F	29°F	1.01

ENVIRONMENTAL HEALTH.

Housing.

675 new houses were completed during the year, 507 by the Local Authority and 168 by private licence.

The tenant of a house in Suttons Yard which was the subject of a Closing Order made in 1952 was re-housed during the year.

One house (Old Mill House) was demolished during the year.

Three houses in St. Margaret's Walk were closed and the tenants re-housed. It is expected that the re-housing of the remaining tenants will be completed and the houses demolished during the coming year.

One dustbin was supplied in default of a Notice served under Section 75 of the Public Health Act, 1936.

During 1952, Court action was necessary in the case of two houses. Nuisance Orders were obtained and these were abated during the year.

One pail closet was converted to a water closet and one house with a pail closet was demolished, leaving 19 houses only with this type of sanitation. Owing to the distance to the public sewer, none of these houses is capable at present of being converted to a more satisfactory type of sanitation.

A cesspool was abolished and the house drainage was connected to the public sewer.

Hostels.

Normanby Road—accommodation for	350
Brigg Road	do. 128
Colin Road	do. 50
Railway Hostel	do. 39

The premises were inspected at various times and were always found to be clean.

Caravans.

Since the war the problem of permanent caravan dwellers in the Borough has been an ever-recurring source of discussion. The housing shortage has been very acute and most of the caravan dwellers were people who had permanent jobs but who had little hope of being able to secure a suitable house and who preferred the alternative of a long-term stay in a caravan to that of being forced to live apart from their families. In an attempt to tidy up the town and to find a reasonable solution to the problem, a scheme was drawn up to construct a municipal caravan site to which only good type caravans would be admitted, to move all existing caravans on to the site and to allow no caravans to be stationed elsewhere in the

town. This Health Committee scheme was approved by the Council in September, 1950 and Ministry approval and loan sanction were obtained in July, 1952. Building operations commenced in November, 1952 and the first caravan went on to the site in July, 1953.

After some minor teething troubles, the site operates very satisfactorily and is permanently practically full, there being usually a small waiting list for sites that fall empty.

The site is well maintained and clean and will form a useful gauge of the demand and supply position of houses in the town since it is expected that the site will slowly become redundant when the supply of houses becomes adequate.

The site covers two acres and allows for 50 caravans. It is a rectangular piece of land with a central access road and side footpaths giving access to individual caravans. A communal wash-house and male and female conveniences are housed in a building near the entrance. Street lighting is supplied and in addition electricity is laid on for individual caravans. Two standpipes are fitted for water supply and four drainage gullies are available.

The rental is 10/- per week, which includes the use of a storage shed.

Certain problems arose, some of which have yet to be solved satisfactorily. The Electricity Board insists on a payment of about £12 for the electricity meters before they will supply electricity. This fee is not returnable and the tenants of the site have the legitimate objection that if they move they have paid for the next tenant who does not require to pay any deposit.

No parking of cars is allowed on the site and no garaging is available. An open car park has been made available adjacent to the site.

A demand for facilities for hot baths was investigated, but no further action was taken when it was found that the caravan dwellers refused to pay for the heating of the water.

The drainage gullies should be connected to the public sewer, but owing to some misinformation as regards drainage levels, it was found that this was impossible without considerable expense.

At the end of 1952, 38 caravans were licensed in various parts of the town. At the end of 1953 one licence only was in operation to station a caravan elsewhere than on the site and this was merely an extension of a purely temporary arrangement.

Public Conveniences.

There are five public conveniences for men, and four for women in the town; four are staffed by whole-time personnel and two by part-time.

The need for further accommodation is urgent and as a temporary arrangement, permission has been obtained for the public to have access to the conveniences in the yard of one of the licensed hotels in Ashby. Building operations are due to commence in the near future on a new convenience at Ashby Road.

A long-term policy is essential for the supply of public conveniences and sites should be reserved years before they are likely to become urgent necessities. It might be considered good policy that every time land is reserved for a public house, a site should be reserved near it for a public convenience since supply and demand in these instances tend to run in parallel streams.

The table which follows gives details of the income derived from the public conveniences during 1953 : —

PUBLIC CONVENIENCES—INCOME, 1953.

	Number of persons using W.C.s	Receipts	Number of persons using Wash-up	Receipts	Number of persons using Weighing Machines	40% Weighing Machine Receipts	Total Receipts
		£ s. d.		£ s. d.		£ s. d.	£ s. d.
Market Hill (Ladies)	71,142	296 8 6	1,470	18 7 6	5,200	8 13 4	323 9 4
Market Hill (Gents.)	26,804	112 8 8	4,087	51 1 9	26,478	44 2 7	207 13 0
Britannia Corner (Ladies)...	91,108	379 12 4	1,020	12 15 3	13,642	22 14 8	415 2 3
Britannia Corner (Gents.)...	32,160	133 13 8	2,068	24 12 0	55,729	92 17 8	251 3 4
Cole Street (Ladies)	5,294	22 1 2	—	— — —	—	— — —	22 1 2
Cole Street (Gents.)	3,727	15 10 7	—	— — —	5,227	8 14 2	24 4 9
Furnace Arms (Gents.)	4,159	16 16 7	—	— — —	—	— — —	16 16 7
Cottage Beck (Ladies)	2,613	10 17 9	—	— — —	—	— — —	10 17 9
Cottage Beck (Gents.)	3,019	12 11 7	—	— — —	—	— — —	12 11 7
TOTAL	240,026	1,000 0 10	8,645	106 16 6	106,277	177 2 5	1,283 19 9

Public Baths.

37 samples of the baths water were sent for bacteriological examination and 11 samples for chemical analysis. All proved satisfactory.

REFUSE AND SALVAGE.

1. Salvage.

The following is a detailed list of the amounts of salvage collected and sold during the year—

<i>Item</i>	Weight				Value		
	Tons	cwt.	qrs.	lbs.	£	s.	d.
Paper	991	0	0	0	7,971	5	6
Textiles	8	3	0	3	220	3	2
Baled Tins	36	19	2	0	174	17	6
Wood Wool	4	4	3	0	74	1	3
Scrap Metal	11	1	2	0	47	19	8
String	2	16	0	9	24	2	0
Bones	2	16	2	14	16	4	11
Bagging	1	8	7	14	12	4	0
Aluminium		1	3	14	6	15	0
Batteries	—	—	—	—	6	10	0
Kitchen Waste	1	2	1	0	3	19	5
	1059	15	1	26	8,558	2	5

Whilst the amount of salvage collected and sold increased over the previous year by 138 tons, the revenue dropped by £2,218. This was due to a drop in the price of paper. The amount of paper sold increased by 68 tons but the income was £2,358 lower than in the previous year. The amount of other materials salvaged increased by 27 tons and the income received increased by £139. During the latter part of the year a tin baler was installed and this should increase the income from baled tins in the future.

2. Refuse.

Approximately 18,500 tons of house and shop refuse have been collected. In addition, 600 loads of trade refuse have been deposited by the traders themselves, together with 151 loads of refuse for which a charge is made. This gives a grand total of approximately 19,000 tons of refuse tipped during the year.

During the year a further 675 houses have been completed and it can therefore be seen that the work of refuse collection is increasing steadily year by year.

PUBLIC CLEANSING COSTING RETURN, 1953/4.

1. Operational Statistics :

Area of the Borough	7,895 acres
Population (mid 1953 estimate)	55,850
Total refuse collected	18,500 tons
Weight per 1,000 population per day	18.1 cwts.
No. of premises	17,014
Average haul to point of disposal	2½ miles
Total refuse disposed of	19,000 tons

2. Cost Statement :

Revenue Account :	Collection £	Disposal £	Total £
Gross expenditure	23439	12055	35494
Gross income	244	9095	9339
Net Cost	23195	2960	26155

Unit Costs :	s. d.	s. d.	s. d.
Gross Cost per ton*	24 3¼	11 10½	36 2¼
Net Cost per ton	24 4¾	3 1½	27 6¼

*—Labour and Transport only.

Rodent Control—Prevention of Damage by Pests Act, 1949.

During the year, 389 properties were inspected in connection with complaints of rats and mice. After investigation it was found that 193 were infested with rats and 16 with mice. No major infestations were noted.

The bodies of 172 rats and 187 mice were seen after treatment. The use of Warfarin renders the detection of bodies after treatment difficult and the number of bodies found is no longer an accurate method of estimating the efficiency of the treatment. The method of test-baiting before and after treatment gives a clearer indication of results and the approximate number of rats destroyed can be calculated from the quantity of bait eaten before, during and after treatment.

Four block treatments involving 201 houses, 131 inspection chambers and 35 sewer manholes were carried out with an estimated kill of 220 rats.

In connection with the eradication of rats in sewers, 753 sewer manholes were test-baited; only 49 showed complete take and 21 showed part-take. In the treatment that followed, 242 manholes were baited; poison bait was completely taken in 8 instances and there were 82 manholes where only part poison bait was taken (the estimated kill was approximately 500 rats). Again it has to be recorded that the number of rats in sewers appears to be diminishing in view of the large number of manholes where no take of pre-bait was recorded.

FOOD HANDLING.

Inspection of Food Handling Premises.

Constant supervision of all types of food premises has been maintained. Very few contraventions are being noted now, and occupiers of those premises who realise the value of hygienic conditions are naturally benefiting by increased trade. The provision of supplies of constant hot water is now almost universal in the town.

Bakehouses.

There have been 76 inspections of the 20 bakehouses in the Borough. Arising out of the inspections, two contraventions of the Food and Drugs Act 1938, Section 14, were noted in respect to cleanliness etc., and these have been abated.

Fried Fish and Chip Shops.

There are 49 shops in the town and 141 visits were made. The following improvements were effected:—

New preparation rooms .....	.....	2
Preparation room improved .....	.....	1
Preparation room cleansed .....	.....	1

Butchers' Shops.

160 visits were made to the 50 butchers' shops. Two new businesses were commenced during the year. The cleanliness at all premises was found to be good.

Horse Flesh (for human consumption).

There is now one shop in the Borough and this has been inspected regularly.

Dairies.

The two dairies in the town continue to receive regular supervision by this Department.

Ice Cream Premises.

There are five premises registered for the manufacture of ice cream and 140 for the sale of ice cream. Two of the manufacturers did not make ice cream during the year. All premises continue to be kept in a satisfactory condition.

Cafes.

There are 13 cafes in the town, and with one exception all are kept in a good condition. The owner of the solitary cafe which falls below the required standard endeavoured to gain possession through the County Court and it was arranged for the tenancy to be completed at the end of 1953. The occupier of the cafe decided to purchase the property and it is anticipated that all the necessary works will be completed during the forthcoming year.

Food Preparing Premises.

There are 39 premises registered under Section 14 of the Food and Drugs Act 1938. 36 premises are registered in respect to the preparation of meat and meat products and 3 in respect to fish and fish products. All have received regular inspections throughout the year and are in a satisfactory condition.

Other Food Premises.

There are three factories in the town where other foods are manufactured, viz. 1 minerals, 1 sweets, 1 crisps. All are clean and satisfactory.

Other Premises :

Shops Act, 1950.

There are 832 shops in the town, comprising 383 houses and shops, 112 lock-up shops attached to dwelling-houses, and 337 separate lock-up shops.

527 inspections were made and 24 contraventions were abated, viz.—

Hot and cold water provided	.....	.....	5
Hot water provided	.....	.....	9
Sink provided	.....	.....	3
Heating facilities provided	.....	.....	1
Sanitary accommodation provided	.....	.....	2
Additional sanitary accommodation provided			3
Shop cleansed	.....	.....	1

One application for exemption under Section 38 was granted.

It was necessary to warn one shop-keeper (a hairdresser) in respect to half-day closing.

Clubs.

A survey and inspection was made of the 26 clubs in the town and various defects were found. Suggested remedies and improvements were brought to the attention of the various secretaries. Full co-operation was obtained in all cases and at the end of the year the bulk of the work had been done.

Rag Flock and Other Filling Materials Act, 1951.

There are three premises registered and none licensed under the above Act. Inspections of the premises have been made and no contraventions recorded.

Offensive Trades (Public Health Act 1936, Section 107).

Rag and Bone Dealers.

There are two premises in the district. Inspections have been made and no contraventions found.

Factories and Workplaces.

During the year, 240 inspections have been made of factories and workplaces in the Borough. The supply of sanitary conveniences was found to be insufficient, defective, or unsuitable in 11 instances and all of these have been corrected.

INSPECTION OF FOODSTUFFS

Meat Inspection.

Whilst there was a drop in the numbers of cattle, sheep and calves killed during the year, the number of pigs killed greatly increased. It has not been possible this year to include the number of privately owned pigs killed as, owing to changes in rationing conditions, the information has not been available.

2 tons 6 cwt. 21 lbs. of tinned goods, etc., have been condemned as unfit for human consumption.

Milk.

During the year one large dairy ceased handling individual farmers' milk in churns. These now go to a central depot in another part of the county and the milk arrives at the local dairy in tankers. Separate tankers are used for T.T. milk. The whole of the milk sold in the town continues to be heat-treated at the two dairies. At the end of the year the following licences were in force:—

Dealer's (Pasteuriser's) Licence authorising the use of the special designation "Pasteurised"	2
Dealer's (Pasteuriser's) Licence authorising the use of the special designation "Tuberculin Tested (Pasteurised)"	2
Dealer's (Steriliser's) Licence authorising the use of the special designation "Sterilised"	2
Dealer's Supplementary Licence authorising the use of the special designation "Sterilised"	147
Dealer's Supplementary Licence to sell Tuberculin Tested milk	1

ANIMALS SLAUGHTERED.

The following table gives the numbers of animals slaughtered during 1953.

Month	Beast	Cows	Calves	Sheep and Lambs	Pigs	Brought into Abattoir for Inspection			
						Beast	Calves	Sheep	Pigs
January	—	—	—	—
February	—	—	—	8
March	—	—	2	4
April	—	1	1	2
May	—	—	—	3
June	—	—	—	3
July	—	1	1	4
August	—	—	3	5
September	—	—	1	1
October	—	—	—	4
November	—	—	3	—
December	—	—	—	—
						—	2	11	34

UNFIT MEAT SURRENDERED.

The following table gives the amount of Meat surrendered after examination.

It is set out in Month order and gives the weight in lbs. and disease or cause of its unfitness.

	January	February	March	April	May	June	July	August	Sept.	October	Nov.	Dec.	TOTAL
Tuberculosis	5798	1410	4231	4622	5108	1613	3537	12847	11771	14234	13108	7038	85317
Abscesses	274	223	175	354	434	356	402	747	946	350	524	281	5066
Actinomycosis	210	126	93	63	194	288	100	94	—	66	155	56	1445
Arthritis	7	—	—	—	44	14	—	45	—	—	48	—	158
Blackquarter	—	—	—	—	—	—	—	—	648	—	—	—	648
Bruising	824	94	215	64	244	376	597	795	303	466	281	206	4465
Carcinomatosis	—	—	—	—	—	—	—	—	—	—	290	—	290
Cavernous Angioma	70	182	70	—	210	29	108	112	28	46	56	—	911
Cysticercus Bovis	70	—	35	—	—	38	48	222	188	39	37	76	753
Cysts	16	36	18	23	10	—	45	14	8	28	—	—	198
Dropsy and Emaciation	2166	463	1307	197	—	—	1090	2516	761	—	145	1072	9717
Erysipelas and Urticaria	287	60	643	261	15	86	—	269	263	84	264	—	2232
Fever: Acute	34	218	1342	—	—	980	—	75	—	57	—	361	3067
Inflammation and Pneumonia	1060	309	1620	591	1024	1097	1188	1235	1149	765	1172	992	12202
Jaundice	—	—	646	—	—	626	—	—	—	—	—	—	1272
Medicine Taint	—	—	—	—	—	—	—	—	751	—	—	—	751
Moribund	—	—	—	73	541	—	358	490	128	53	—	—	1643
Parasitical Infestation	1135	749	861	578	744	560	1340	1944	2390	1916	1451	915	14583
Pig Paratyphoid	—	—	—	—	—	—	—	—	—	—	281	—	281
Pyæmia	—	263	193	—	55	254	900	—	—	—	—	193	1858
Septicæmia	1832	1830	1612	62	313	395	674	670	751	619	832	401	9991
Suspected Chemical Poisoning	—	—	—	—	—	327	—	—	—	—	—	—	327
	13783	5963	13061	6888	8936	7039	10387	22075	20085	18723	18644	11591	157175

Bacteriological Examination.

The following are the results from the 349 samples of milk taken during 1953—

	Satisfactory	Unsatisfactory	Total
Pasteurised	86	4	90
T.T. Pasteurised	87	2	89
Sterilised	92	—	92
Tuberculin Tested	63	15	78
	328	21	349

Gerber Samples.

Number examined	292
Number deficient in fat	6
Number deficient in solids-not-fat	4

Analysis of Deficiencies in Gerber Samples.

% Fat	No. of Samples	% Solids-not-fat	No. of Samples
2.0	1	7.9	1
2.5	2	8.0	1
2.6	1	8.3	2
2.7	1		
2.8	1		

It was necessary in two instances to take formal samples of milk as a result of the Gerber samples falling below the required standard. In one instance the sample proved genuine, as did further Gerber samples. In the second instance, the fat content was still low and the assistance of the County Council was sought. Appeal-to-cow samples were taken and all these indicated low fat content. The producer was given advice regarding feeding, etc. and further Gerber samples have all been satisfactory.

ICE CREAM.

(a) Bacteriological Examination.

135 samples of ice cream were bacteriologically examined. The improvement in standard continued and 4 samples only were placed in Grade 3 and none in Grade 4, as against 8 in Grade 3 and 2 in Grade 4 in the preceding year.

(b) Chemical Examination.

11 samples were sent for analysis and the fat contents ranged from 8.66% to 11.30% as follows:—

1 sample	contained	between 8 and 9%
5 samples	„	„ 9 and 10%
4 samples	„	„ 10 and 11%
1 sample	„	„ 11 and 12%

Five of the above samples were manufactured locally, with results as under:—

1	contained	between 8 and 9%
2	„	„ 9 and 10%
1	„	„ 10 and 11%
1	„	„ 11 and 12%

One sample showed 7.1% milk solids as against the standard of 7.5%. This was a cold mix and the manufacturers were warned.

FOOD SAMPLING.

144 samples of food and drugs (113 informal and 31 formal) have been taken during the year under the Food and Drugs Act 1938. The particulars are as follows—

Nature of Sample				Informal	Formal	Total
Coffee	.....	.....	.....	1	—	1
Tea	.....	.....	.....	3	—	3
Self Raising Flour	.....	.....	.....	2	—	2
Golden Raising Flour	.....	.....	.....	1	—	1
Sugared Coconut	.....	.....	.....	1	—	1
Potato Crisps	.....	.....	.....	1	—	1
Crab, Dressed	.....	.....	.....	1	—	1
Crab, Paste	.....	.....	.....	1	—	1
Vinegar, Malt	.....	.....	.....	1	—	1
Pastry	.....	.....	.....	—	1	1
Fish Cakes	.....	.....	.....	—	6	6
Butter	.....	.....	.....	—	4	4
Butter Sweets	.....	.....	.....	4	3	7
Saccharine	.....	.....	.....	4	—	4
Iodine	.....	.....	.....	3	—	3
Sausage, Beef	.....	.....	.....	16	5	21
Sausage, Pork	.....	.....	.....	2	1	3
Jam	.....	.....	.....	3	—	3
Curd, Lemon	.....	.....	.....	1	—	1
Cream, Synthetic	.....	.....	.....	2	—	2
Gelatine	.....	.....	.....	4	—	4
Camphorated Oil	.....	.....	.....	4	—	4
Milk, New	.....	.....	.....	—	5	5
Milk, Condensed	.....	.....	.....	4	—	4
Carried forward				59	25	84

Nature of Sample				Informal	Formal	Total
Brought forward				59	25	84
Ice Cream	.....	.....	.....	5	6	11
Apples	.....	.....	.....	1	—	1
Soups	.....	.....	.....	4	—	4
Jellies	.....	.....	.....	4	—	4
Baking Powder	.....	.....	.....	3	—	3
Coffee Essence	.....	.....	.....	3	—	3
Sauces	.....	.....	.....	3	—	3
Cooking Fat	.....	.....	.....	3	—	3
Cream	.....	.....	.....	1	—	1
Lemon Butter	.....	.....	.....	1	—	1
Buttered Bread	.....	.....	.....	3	—	3
Lollipops, Ice	.....	.....	.....	5	—	5
Tartaric Acid	.....	.....	.....	2	—	2
Glauber Salts	.....	.....	.....	1	—	1
Epsom Salts	.....	.....	.....	1	—	1
Peroxide of Hydrogen	.....	.....	.....	1	—	1
Tincture Quinine	.....	.....	.....	1	—	1
Gregory's Powder	.....	.....	.....	2	—	2
Tincture of Rhubarb	.....	.....	.....	1	—	1
Parrish Syrup	.....	.....	.....	1	—	1
Malt Extract, Cod Liver Oil	.....	.....	.....	1	—	1
Iodine Lozenges	.....	.....	.....	1	—	1
Citric Acid	.....	.....	.....	1	—	1
Boracic Acid	.....	.....	.....	1	—	1
Magnesia	.....	.....	.....	1	—	1
Flowers of Sulphur	.....	.....	.....	1	—	1
Sweet Spirits of Nitre	.....	.....	.....	1	—	1
Zinc Ointment	.....	.....	.....	1	—	1
				113	31	144

The following table gives the details of the unsatisfactory samples:—

No. of Sample	Nature of Sample	Formal/ Informal	Report	Action taken
2170	Butterscotch	Informal	Deficient in butter to the extent of 77.5%	Vendor and wholesaler warned.
2263	Lemon Butter	Informal	Not genuine butter.	Vendor warned ; stock withdrawn
2264	Buttered Macaroon	Informal	Deficient in butter fat to the extent of 72%	Vendor warned.
2265	Buttered Marzipan	Informal	Deficient in butter fat to the extent of 69.5%	Vendor warned.
2269	Buttered Walnuts	Informal	Slightly deficient in butter fat.	Vendor warned.
2270	Buttered Bread	Informal	Margarine used instead of butter.	Vendor warned.
2271	Buttered Bread	Informal	Margarine used instead of butter.	Vendor warned.
2199	New Milk	Formal	Deficient in milk fat to the extent of 19.3%	Appeal to cow samples were taken by County Council ; these still gave low fat readings ; advice given to farmer ; follow-up samples taken locally all proved satisfactory.

During the year, 18 samples of sausages were taken informally for analysis. The result varied between 44% and 78% meat content.

WATER.

44 samples of water were taken from the rising main and sent for bacteriological examination. 2 samples of drinking water from springs used by boy scouts at a camping site were also bacteriologically examined. All proved satisfactory.

12 samples of water were chemically examined, with satisfactory results.

With the demolition of one house during the year, there are now four houses only which are not connected to the public sewer.

The following information on water supply has been supplied by the Borough Engineer:—

Consumption of Water in the Borough of Scunthorpe.

		Consumption for the year galls.	Average daily consumption galls.	Consumption in galls. per head per day
Domestic	.....	558,161,000	1,529,208	27.4
Metered	.....	140,276,000	384,318	6.9
TOTALS		698,437,000	1,913,526	34.3

Consumption of water in the parish of Roxby-cum-Risby, which is included in the statutory area of supply—

Consumption for the year—5,760,000 gallons.

Consumption of water supplied by the Corporation Undertaking outside the statutory area (Glanford Brigg Rural District)—

Consumption for the year—3,900,000 gallons.

Total consumption for the year, including Scunthorpe, Roxby-cum-Risby and parts of Glanford Brigg Rural District—

708,097,000 gallons.

Summary of "Take" from the various sources of supply.

Source of Supply	Total for year —gallons	Average per day —gallons
Corporation Works:		
Appleby	39,500,000	108,000
Risby Warren	131,307,000	360,000
North Lindsey Water Board.....	537,290,000	1,472,000
TOTALS	708,097,000	1,940,000

FACTORIES AND WORKPLACES.

During the year, 240 inspections have been made of factories and workplaces.

Defects Found.

Particulars	Number of Defects:	
	Found	Remedied
Sanitary Conveniences:		
(a) Insufficient	5	5
(b) Unsuitable or defective	4	4
(c) Not separate for sexes	2	2
	11	11

Factories and Workplaces in the Borough, 1953.

Type	With Power	Without Power
Bakehouses	12	2
Blacksmiths	2	—
Boot and Shoe Repairers	10	—
Boot Manufacturers	1	—
Builders Merchants	2	—
Cycle Repairers	2	1
Concrete Products	1	—
Cellulose Spraying	1	—
Clothing Manufacturers	3	—
Dairies	2	—
Dressmakers	3	2
Egg Packing	1	—
Engineers	13	—
Firewood	2	—
French Polishers	—	2
Food Manufacturers	15	—
Gas Works	1	—
Iron and Steel Subsidiary Companies	19	—
Joinery and Upholstery	22	2
Laundries and Dry Cleaners	4	2
Mineral Waters	1	—
Paper Baling	1	1
Plumbing	2	—
Printers	7	1
Radio and Electrical Repairs.....	7	2
Photographers	—	1
Rag and Bone Dealers	—	2
Scale Repairs	1	—
Stone Masons	2	1
Saddlery	—	1
Tinsmiths	1	—
Tailors	1	—
Vehicle Repairers	44	—
Wagon Repairs	4	—
Watch Repairs	1	—
Wreath Making	—	2
	<hr/> 188	<hr/> 22

GENERAL INSPECTIONS.

Number of Inspections .....	.....	.....	.....	.....	.....	.....	.....	.....	4,120
Number of Nuisances Abated.....	.....	.....	.....	.....	.....	.....	.....	.....	2,136

	Ashby	Brunby	Crosby	East	Frodingham	Park	Town	West	TOTALS
No. of Informal Notices..	132	41	98	87	120	117	114	42	751
No. of Statutory Notices	16	1	30	38	14	9	20	20	148
No. of Complaints	71	18	28	52	40	18	34	10	271

Total Number of Nuisances during the year:—

(1) Abated as result of informal action .....	.....	.....	.....	.....	.....	.....	.....	.....	1661
(2) Reported to Council:									
Statutory Notices issued .....	.....	.....	.....	.....	.....	.....	.....	.....	148
Statutory Notices not issued .....	.....	.....	.....	.....	.....	.....	.....	.....	28

DETAILS OF NUISANCES ABATED.

	After Informal Intimation	After Statutory Notice
Smoke	21	12
Accumulations of Refuse.....	6	2
Fowls, pigs and other animals	1	—
Dampness	330	114
Yards re-paved or re-surfaced	7	6
Other nuisances	1296	341

DISINFECTION, Etc.

Rooms disinfected .....	.....	.....	.....	.....	.....	.....	181
(a) Tuberculosis .....	.....	.....	.....	.....	.....	.....	24
(b) Other Infectious Disease .....	.....	.....	.....	.....	.....	.....	157
Rooms stripped and cleansed .....	.....	.....	.....	.....	.....	.....	10
Number of premises disinfested .....	.....	.....	.....	.....	.....	.....	35

DRAINAGE AND SEWERAGE.

Closets.

Number of houses with privy vaults in the district .....	.....	.....	.....	.....	.....	.....	—
Number of houses with pail closets in the district .....	.....	.....	.....	.....	.....	.....	19
Number of pail closets repaired .....	.....	.....	.....	.....	.....	.....	—
Number of houses with water closets in the district .....	.....	.....	.....	.....	.....	.....	16164
Number of water closets substituted for dry receptacles .....	.....	.....	.....	.....	.....	.....	2
Number of water closets repaired .....	.....	.....	.....	.....	.....	.....	59

Drains.

Drains examined, tested and exposed	136
Drains unstopped, repaired, trapped, etc.	822
Waste pipes, rainwater pipes, disconnected, repaired, etc.	23
Existing soil pipes, etc. renewed or repaired	5

Sewers.

New lengths of sewers laid.....	19,162 yards
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HOUSING.

Number of new houses erected during the year:—

(a) Total	675
(b) With State assistance under the Housing Acts:	
1. By Local Authority	507
2. By other bodies or persons	168

1. Inspections of dwelling-houses during the year:

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	1,742
(b) Number of inspections made for the purpose	4,120
(2) (a) Number of dwelling-houses (included under sub- head (1) above) which were inspected and recor- ded under the Housing Consolidated Regulations 1925	8
(b) Number of inspections made for the purpose	8
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	8
(4) Number of dwelling-houses (exclusive of those re- ferred to under the preceding sub-headings) found not to be in all respects reasonably fit for human habita- tion	757

2. Remedy of Defects during the year without service of Formal Notices:

Number of dwelling-houses rendered fit in conse- quence of informal action by the Local Authority or their officers	494
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3. Action under Statutory Powers:—

A—Proceedings under Sections 9, 10 and 36 of the Housing Act, 1936:

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	—
(2) Number of dwelling-houses which were rendered fit after service of formal notices:	
(a) By owners	—
(b) By Local Authority in default of owners	—

B—Proceedings under Public Health Acts:

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	148
(2) Number of dwelling-houses in which defects were remedied after service of formal notices	115
(a) By owners	114
(b) By Local Authority in default of owners	1

C—Proceedings under Sections 11 and 13 of the Housing Act, 1936:

(1) Number of dwelling-houses in respect of which Demolition Orders were made	—
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	3

D—Proceedings under Section 12 of the Housing Act, 1936:

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	—
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered unfit	—

E—Proceedings under Sections 25 and 26 of the Housing Act, 1936:

(1) Number of Clearance Orders made	—
(2) Number of dwelling-houses demolished in pursuance thereof	—

IMPROVEMENTS.

Defects	Wards								TOTAL.
	Ashby	Brumby	Crosby	East	Froding- ham	Park	Town	West	
Ceilings repaired	3	—	13	30	4	—	2	2	54
Walls repaired	3	—	9	45	3	—	6	4	70
Floors, tiled	1	—	—	2	—	1	—	1	5
Floors, wood	1	—	7	8	2	2	5	2	27
Sashcords renewed	—	—	—	60	—	—	36	—	96
Windows and frames repaired...	—	—	—	2	1	—	—	—	3
Doors repaired	3	—	—	2	1	—	—	—	6
Back boilers and tanks repaired	1	—	—	—	1	—	1	—	3
Fireplaces repaired	13	—	2	6	2	3	7	3	36
Smoke nuisances abated	12	—	3	5	1	3	6	3	33
Eaves gutters repaired.....	13	—	15	43	6	4	5	8	94
Rainwater fall pipes	4	1	6	11	3	1	—	—	26
Roofs repaired	11	—	10	38	7	—	10	4	80
Brickwork and pointing ren'wd	12	1	6	18	4	—	6	—	47
Chimney pots and stacks rep'd.	4	1	3	4	1	—	6	—	19
Leaking water pipes remedied...	5	—	1	6	—	—	—	—	12
Dampness remedied	79	6	64	200	31	5	38	19	442
Dustbins renewed	74	24	22	20	44	50	36	1	271
Drains cleansed	133	118	67	78	66	47	167	92	768
Drains repaired	1	1	2	6	1	4	4	5	24
New drains laid	—	—	2	5	—	—	2	—	9
Inspect. chamber covers ren'wd	2	—	4	5	1	2	1	2	17
Pail closet abolished and W.C. provided	—	—	—	—	—	—	—	1	1
W.C. pedestals renewed	1	—	2	4	1	—	1	2	11
W.C. pedestal joints repaired..	—	—	3	—	1	—	1	—	5
W.C. seats renewed	—	—	4	5	—	1	—	1	11
W.C. cisterns renewed	2	2	2	2	3	—	—	—	11
W.C. walls re-plastered	—	—	2	3	—	—	—	4	9
W.C. ceilings re-plastered	1	—	2	2	—	—	—	—	5
W.C. roofs repaired	1	—	2	—	—	—	—	—	3
W.C. floors repaired	—	—	2	—	—	—	—	—	2
Washing coppers renewed	3	—	—	1	1	—	—	—	5
Burst pipes repaired	9	—	3	2	3	—	1	1	19
Yards re-surfaced	—	—	4	—	—	—	2	7	13
Houses cleansed	—	—	1	1	1	1	1	—	5
Accumulations removed	—	—	3	2	—	1	1	1	8
Nuisances from animals abated	—	1	—	—	—	—	—	—	1
Internal water supply & drain- age provided	—	—	2	—	—	—	—	—	2
Inspect. chamber brickwk repd.	—	—	—	—	—	1	—	—	1
Cesspool repaired	—	—	—	—	—	1	—	—	1
	392	155	268	616	189	127	345	163	2255

